Notice of Allowability	Application No.	Applicant(s)
	10/653,824	WILKIE ET AL.
	Examiner	Art Unit
	Paul D. Kim	3729
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in thi or other appropriate communic GHTS. This application is subje	s application. If not included ation will be mailed in due course. THIS
1. This communication is responsive to <u>1/31/2006</u> .		
2. The allowed claim(s) is/are <u>1-12 and 16-27</u> .		
 3. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application N	o
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a re ENT of this application.	eply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	tted. Note the attached EXAMINs reason(s) why the oath or dec	NER'S AMENDMENT or NOTICE OF daration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.	
(a) including changes required by the Notice of Draftsperso		TO-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the	he Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the dr le header according to 37 CFR 1.	rawings in the front (not the back) of 121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F		
Attachment(s)		·
1. Notice of References Cited (PTO-892)	5. Notice of Inform	al Patent Application (PTO-152).
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summ	
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	Paper No./Mail 3), 7. ☐ Examiner's Ame	
Examiner's Comment Regarding Requirement for Deposit of Biological Material		ement of Reasons for Allowance
	9. Other	•

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DETAILED ACTION

This office action is a response to the amendment filed on 1/31/2006.

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

IN THE CLAIM

Cancelled the non-elect claims 13-15 and 28-30.

2. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose the claimed invention such as a first film having a first conductive pattern and a second conductive pattern formed on the at least one piezoelectric fiber sheet having a plurality of piezoelectric fibers in juxtaposition to adhesive material by stacking the alternating layers of piezoelectric material and adhesive material, the first conductive pattern being electrically isolated from the second conductive pattern, the first and second conductive patterns each having a plurality of electrodes that cooperate to form a pattern of interdigitated electrodes. The closet reference of Oakley et al. teach a process of stacking the alternating layers of piezoelectric material and adhesive material to form at least one piezoelectric fiber

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sheet having a plurality of piezoelectric fibers in juxtaposition to adhesive material and forming a first film having a first conductive pattern and a second conductive pattern formed on the at least one piezoelectric fiber sheet. However, the first film having the first conductive pattern and the second conductive pattern of Oakley et al. does not have a plurality of electrodes that cooperate to form a pattern of interdigitated electrodes. Also, another closet reference of Lazarus et al. teach a process of forming a first film having a first conductive pattern and a second conductive pattern formed on the at least one piezoelectric fiber sheet, wherein the first and second conductive patterns each having a plurality of electrodes that cooperate to form a pattern of interdigitated electrodes. However, Lazarus et al. fail to teach at least one piezoelectric fiber sheet having a plurality of piezoelectric fibers in juxtaposition to adhesive material by stacking the alternating layers of piezoelectric material and adhesive material. Therefore, it would not be obvious to modify Oakley et al. by adding the first and second conductive patterns each having a plurality of electrodes that cooperate to form a pattern of interdigitated electrodes, or to modify Lazarus et al. by adding at least one piezoelectric fiber sheet having a plurality of piezoelectric fibers in juxtaposition to adhesive material by stacking the alternating layers of piezoelectric material and adhesive material, or combined Oakley et al. and Lazarus et al. together, since doing so would destroy the structure of transducer of Oakley et al. or Lazarus et al.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/653,824

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

- 3. Claims 1-12 and 16-27 are allowed.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565. The examiner can normally be reached on Monday-Friday between 6:00 AM to 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul D Kim

Primary Examiner

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